

SQUEEGEE AND BRUSH HOLDER

RELATED INVENTION

This application is a Continuation-In-Part of Provisional Application Serial Number 60/460,978,
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BACKGROUND OF THE INVENTION

1. Technical Field

The instant invention pertains generally to a window cleaning apparatus and more particularly to a device which may be used as a squeegee and brush holder mounted on a bucket or pail.

2. Background Art

Prior art devices suspend the cleaning tools within the bucket. This blocks access to the water or cleaning agent within the container. As will become apparent to those who have had the occasion to work with liquid applicators, no means is provided for conveniently supporting the applicator when not in use. Consequently, when the liquid applying operation is discontinued, and particularly temporarily so, there is no out-of-the-way but conveniently accessible place in which to put the applicator. This is particularly so in the window washing field where more than one type of applicator or tool is used. Prior art devices suspend the cleaning tools within the bucket. This blocks access to the water or cleaning agent

within the container.

One such device is shown in U.S. Patent No. 1,176,009 to Weimar which discloses a paint can attachment preferably made of wire and bent to form a plurality of outstanding loops collectively defining a rack for the reception of paint brushes, holding them within the can, allowing the paint to drip therein.

Another device is shown in U.S. Patent No. 2,988,768 to Hill which discloses a support for a liquid applicator, namely paint, which is attached to the exterior of a paint bucket. A plurality of brackets are adapted to be fixedly secured to a band, the ends of which are urged together by a spring. The container may be provided with mounting brackets merely by slipping the band onto the side wall and the spring will retain the band in the proper position on the container.

SUMMARY OF THE INVENTION

The squeegee and brush holder of the invention consists of a bent wire or molded plastic hanger which is looped over the top edge of a bucket, and is secured to the interior of the bucket with suction cups mounted on the hanger. the interior end is suspended inside the bucket and held in place by a plurality of suction cups. The exterior end is suspended down the outside of the bucket and extends outwardly. The squeegee and brush handles are inserted into the extended loops formed in the hanger in a staggered manner to provide

space for handling up to four tool handles. The tools may be rapidly removed from the holder when desired.

It is therefore, a general object of this invention to provide a simple, relatively inexpensive and easily manufactured mounting structure to removably mount one or more window cleaning tools in a safe but conveniently accessible place out of the way of the user thereof.

Another object of the invention is to provide a mounting bracket structure which includes means for supporting the particular tool from the sidewall of the container.

BRIEF DESCRIPTION OF THE DRAWINGS

Fig. 1 is an exploded, perspective view of the invention showing the relationship of the invention and the tools.

fig. 1A is a perspective view of the invention showing the assembly of three tools held by the invention.

Fig. 2 is a perspective view showing a tool being mounted in the invention.

Fig. 2A is a front view of the invention.

Fig. 2B is a side view of the invention.

Fig. 2C is a top view of the invention.

Fig. 3 is a perspective view of a single tool being inserted.

Fig. 4 is a perspective view of a single tool partially inserted in the invention.

Fig. 5 is a perspective view of a single tool seated in the invention.

Fig. 6 is a top view of three tools mounted in the invention.

Fig. 7 is a top view of the invention mounted on a rectangular bucket.

DETAILED DESCRIPTION OF THE INVENTION

Referring to Fig. 1, there is shown the squeegee and brush holder of the invention generally designated by the numeral 10. The holder 10 is generally formed as a molded plastic hanger or a bent wire which is looped over the top edge of bucket 19 with a first portion 11 extending into the interior of bucket 19.

As shown in Figs. 2-2C, two suction cups 13 are fastened to the first portion 11 near the top end 12 and two suction cups 13 are fastened to a point located near the lower end of the first portion 11. The holder 10 includes an outer portion consisting of three loop portions 13, 14, and 15. Loop portion 14 is offset at angle "A", from loop portion 13, which is offset at angle "C" from the first portion 11. Loop portion 15 is offset at angle "B" from loop portion 14. Angles "A" and "B" and "C" are approximately 15° each.

Fig. 2 shows the resulting openings 16, 17, and 18 formed by the loop portions 13, 14, and 15.

Fig. 3 shows a squeegee 30 prior to entry in the third opening 18.

Figs. 3-5 show the squeegee 30 being inserted in the third loop 18.

Fig. 6 is a top view of a circular bucket 19 having the holder 10 in accordance with the invention and three tools, a brush 32, a long squeegee 31, and a shorter squeegee 30 in position to be inserted into the openings 16, 17, and 18.

Fig. 7 shows a holder 10 mounted in a corner and a holder 10 mounted on the side of a rectangular shaped bucket 19. The location of holder 10 in the corner of bucket 19 is the most convenient location.

In operation, the hanger 10 is mounted on the bucket 19 with the first portion 11 inserted in the bucket 19 with the top end 12 resting on the lip of the bucket 19. The four suction cups 13 are then pressed to form a grip on the inner surface of bucket 19. The brush 32 and squeegees 31 and 30 are then inserted in the openings 16, 17, and 18.

In a preferred embodiment, the holder 10 may be made by injection molding as a single unit. Another method would be to form the holder from $\frac{1}{8}$ " steel wire.

It will be obvious to a person skilled in the art to which this invention is addressed that the invention may be used to advantage in a variety of situations. Therefore, it is also understood by those skilled in the art that various changes, modifications and omissions in form and detail may be made

without departing from the spirit and scope of the present invention as defined by the following claims.